

Docket No.: 4367-0112PUS1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Letters Patent of:  
Takeshi IMANISHI et al.

Patent No.: 7,427,672 B2

Issued: September 23, 2008

For: NOVEL ARTIFICIAL NUCLEIC ACIDS OF N-O BOND CROSSLINKAGE TYPE

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**REQUEST FOR CERTIFICATE OF CORRECTION  
PURSUANT TO 37 CFR 1.322**

Attention: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Upon reviewing the above-identified patent, Patentee noted typographical errors which should be corrected. The errors were not in the application as filed by Applicants – as evidenced by the attached copy of page 76 of the specification.

Accordingly, no fee is required.

Please correct the errors in the following manner:

In columns 39 – 40, the structural formulas should be corrected to read as shown on the attached Certificate of Correction. The errors are as described below:

- each one of the four formulas should have a “T” as the substituent at the top right-hand side position of the formula;

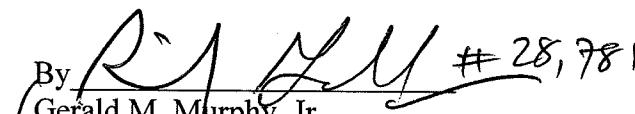
- the formula at the bottom of column 39 and the second formula in column 40 both should depict the bond connecting the phosphate group to the ring structure in front of the lower ring structure rather than behind it.

Transmitted herewith is a proposed Certificate of Correction effecting such amendments. Patentee respectfully solicits the granting of the requested Certificate of Correction.

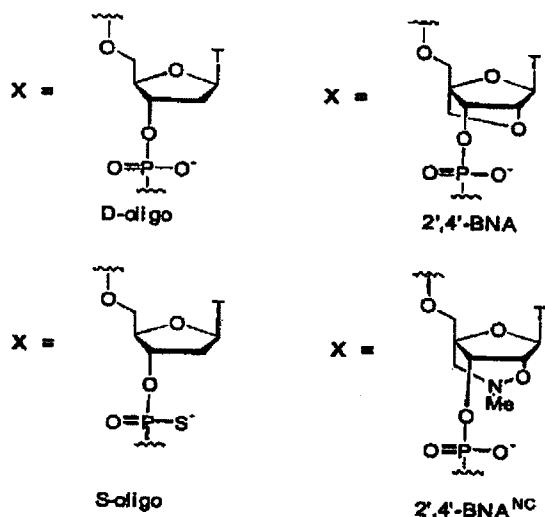
If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to our Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Dated: September 8, 2010

Respectfully submitted,

By   
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Attorney for Applicant

Attachments: Certificate of Correction  
Copy of page 76 of the Specification



[0148] where when X is a DNA monomer, the oligonucleotide is a completely natural DNA oligonucleotide, and the oligonucleotide containing other nucleotide

5 analogue is a partially nonnatural oligonucleotide; moreover, the oligonucleotide analogue with X being 2',4'-BNA<sup>NC</sup>(N-Me) is the oligonucleotide analogue of the present invention.

Changes over time in the survival rates of the  
10 respective oligonucleotides, measured by HPLC, are shown in Table 6 and Fig. 1.

[0149] In Table 6 and Fig. 1, "% of intact oligonucleotide" refers to the survival rate (%) (HPLC determination) of the undegraded oligonucleotide at  
15 measurement time points to the undegraded oligonucleotide at 0 time point.

[0150] [Table 6]

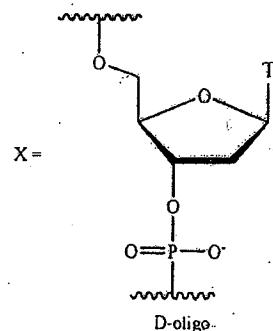
**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

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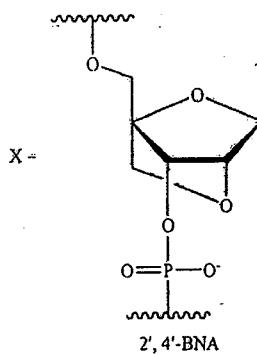
PATENT NO. : 7,427,672B2  
 APPLICATION NO. : 10/569,949  
 ISSUE DATE : September 23, 2008  
 INVENTOR(S) : Takeshi IMANISHI et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**Correct the structural formula at column 39, lines 32-43 to read --**



**Correct the structural formula at column 39, lines 44-56 to read --**



MAILING ADDRESS OF SENDER (Please do not use customer number below):

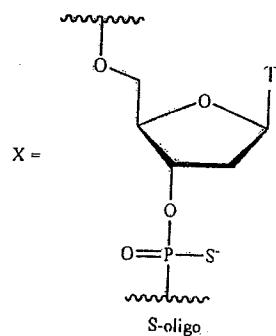
Gerald M. Murphy, Jr.  
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 CERTIFICATE OF CORRECTION**

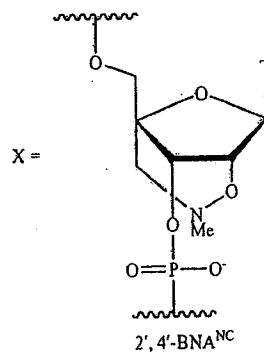
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PATENT NO. : 7,427,672B2  
 APPLICATION NO. : 10/569,949  
 ISSUE DATE : September 23, 2008  
 INVENTOR(S) : Takeshi IMANISHI et al.

**Correct the structural formula at column 40, lines 1-13 to read --**



**Correct the structural formula at column 40, lines 14-26 to read --**



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